



Department of the Environment

Ensuring the Integrity of Land Use Controls

**Integrating Maryland's Uniform Environmental
Covenant Registry with Local Land Use
Planning**

**Jim Carroll
Environmental Restoration & Redevelopment Program**

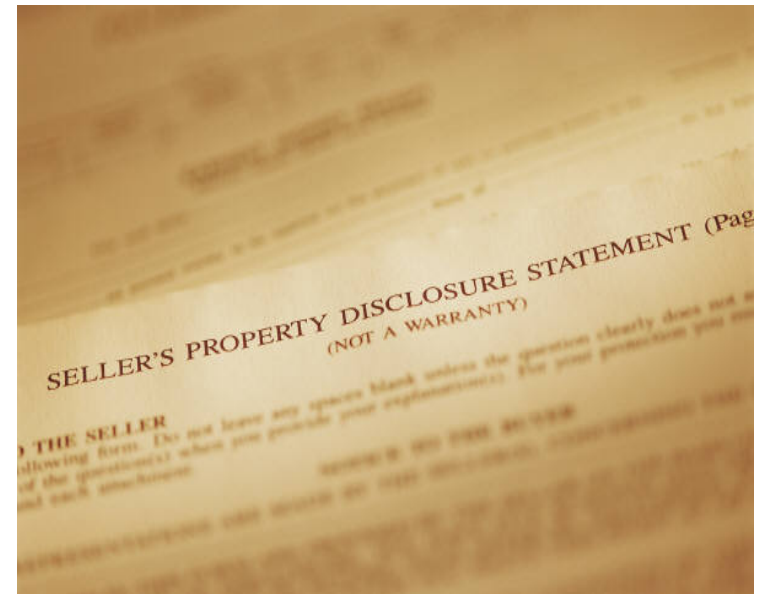


Overview

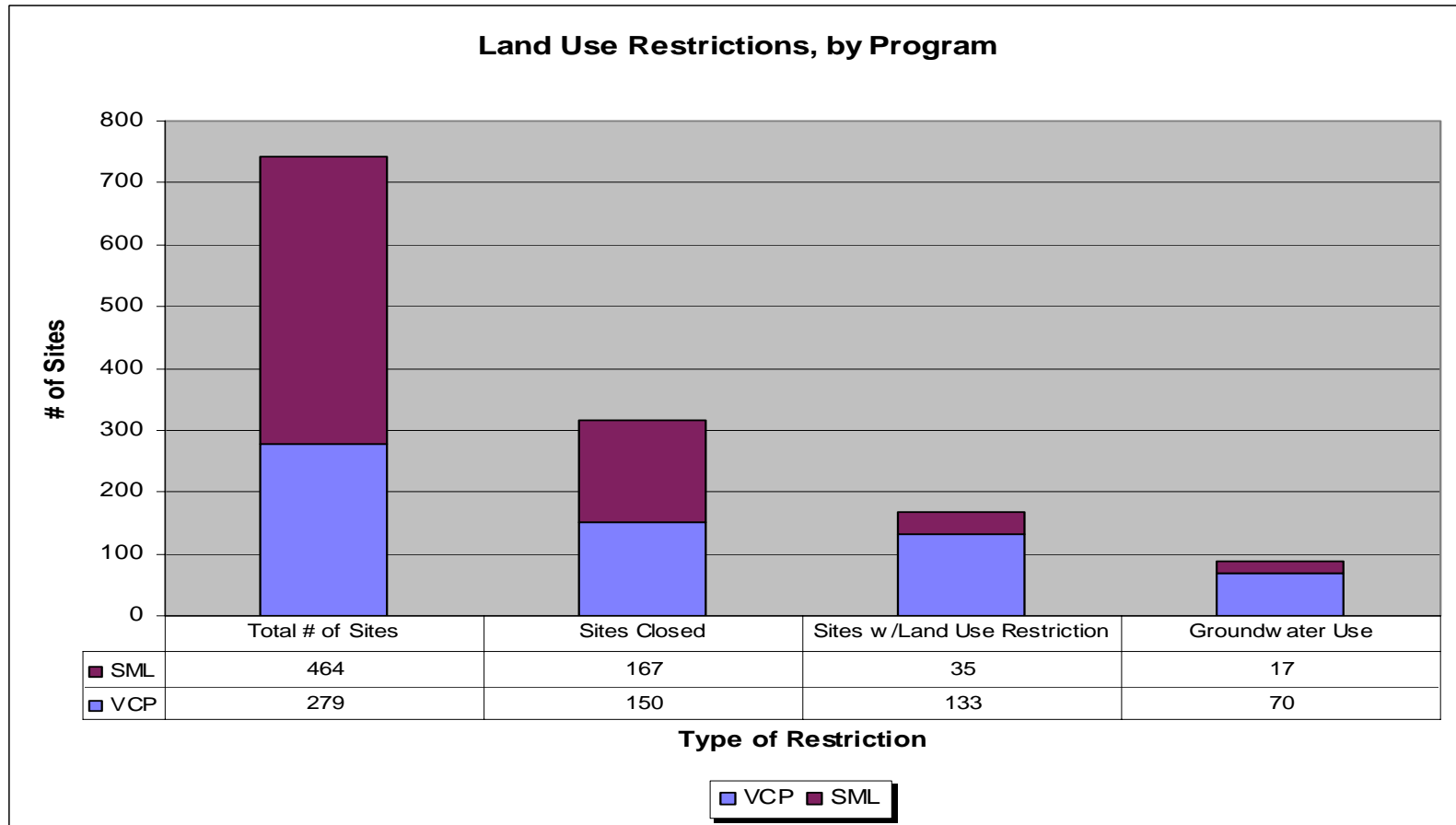
- Land Use Controls (LUCs) Currently Employed by Maryland
- Issues Impacting Short- and Long-term Effectiveness of LUCs
- Proposed Solutions

Use of LUCs

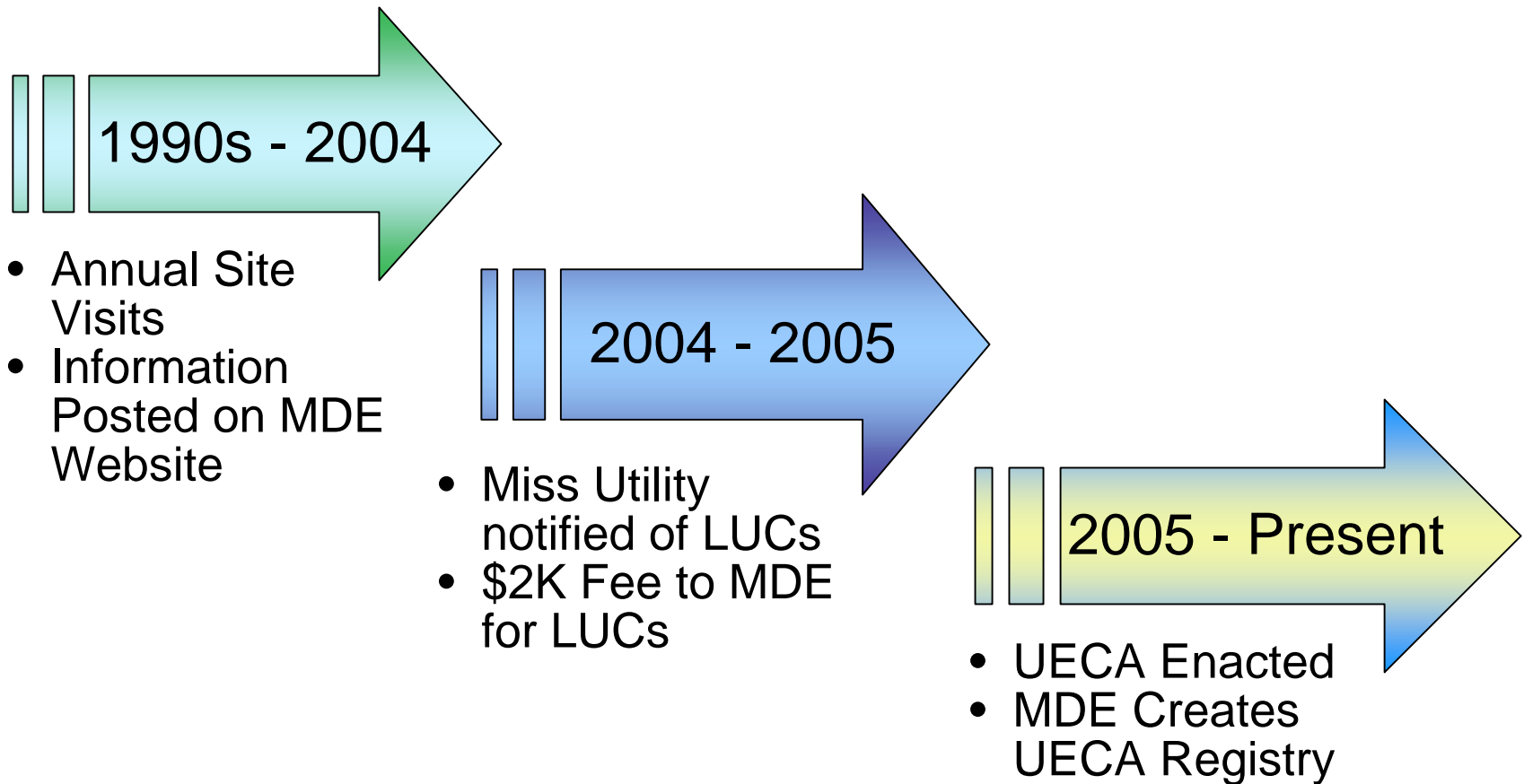
- Typical LUCs used by Voluntary Cleanup Program (VCP) and Controlled Hazardous Substance (CHS) Enforcement include:
 - Soil excavation restrictions;
 - Groundwater use restrictions;
 - Notification requirements;
 - Land use restrictions; and
 - Maintenance requirements



Reliance on Land Use Controls



Ensuring Integrity of LUCs



LUCs: Issues of Concern

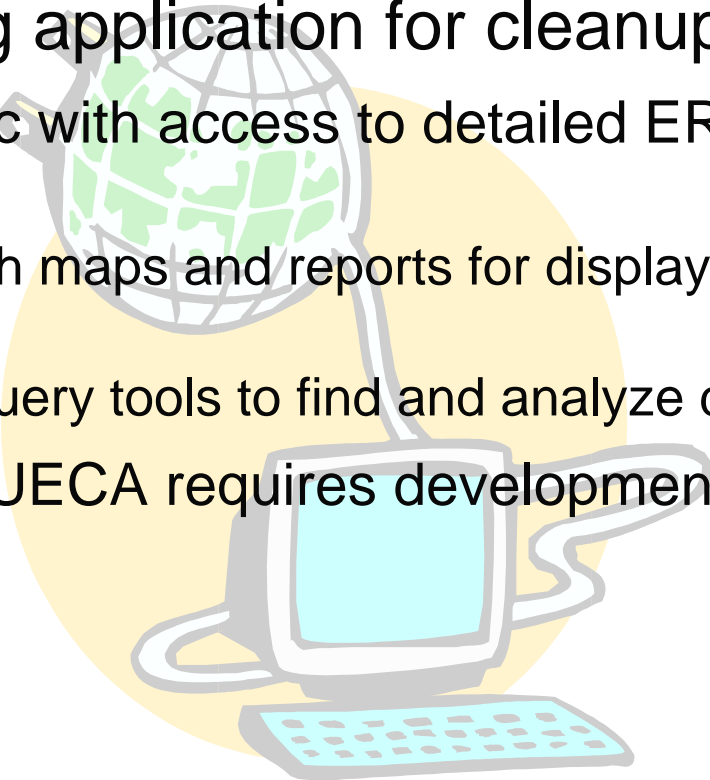
How can MDE...

- Increase public awareness of LUCs at the local level?
- Widely distribute LUC information to community and private entities engaged in real estate development?
- Ensure short-term and long-term integrity of LUCs?



Using GIS for LUCs

- MDE and Towson University Center for Geographic Information Sciences (CGIS) developed a Web-based mapping application for cleanup sites.
 - Provides public with access to detailed ERRP site information
 - Includes both maps and reports for displaying site information
 - Enhanced query tools to find and analyze data.
 - Enactment of UECA requires development of a “UECA Registry”.



Key LUC Data Elements

		Property Description	LUC Description	Site Map/Survey	Other
VCP:	COC	Legal Property Description	Yes	Yes	Submitted to Miss Utility
	NFRD	Legal Property Description	Yes	Yes	Submitted to Miss Utility
CHS Enforcement:	NFA	Property Address	Yes	Not Required	Case Number
Oil Control:	NFA	Property Address	Yes	Not Required	Case Number
UECA:	Env. Covenant	Legal Property Description	Yes	Yes	Signators

Use of ERRP GIS Website

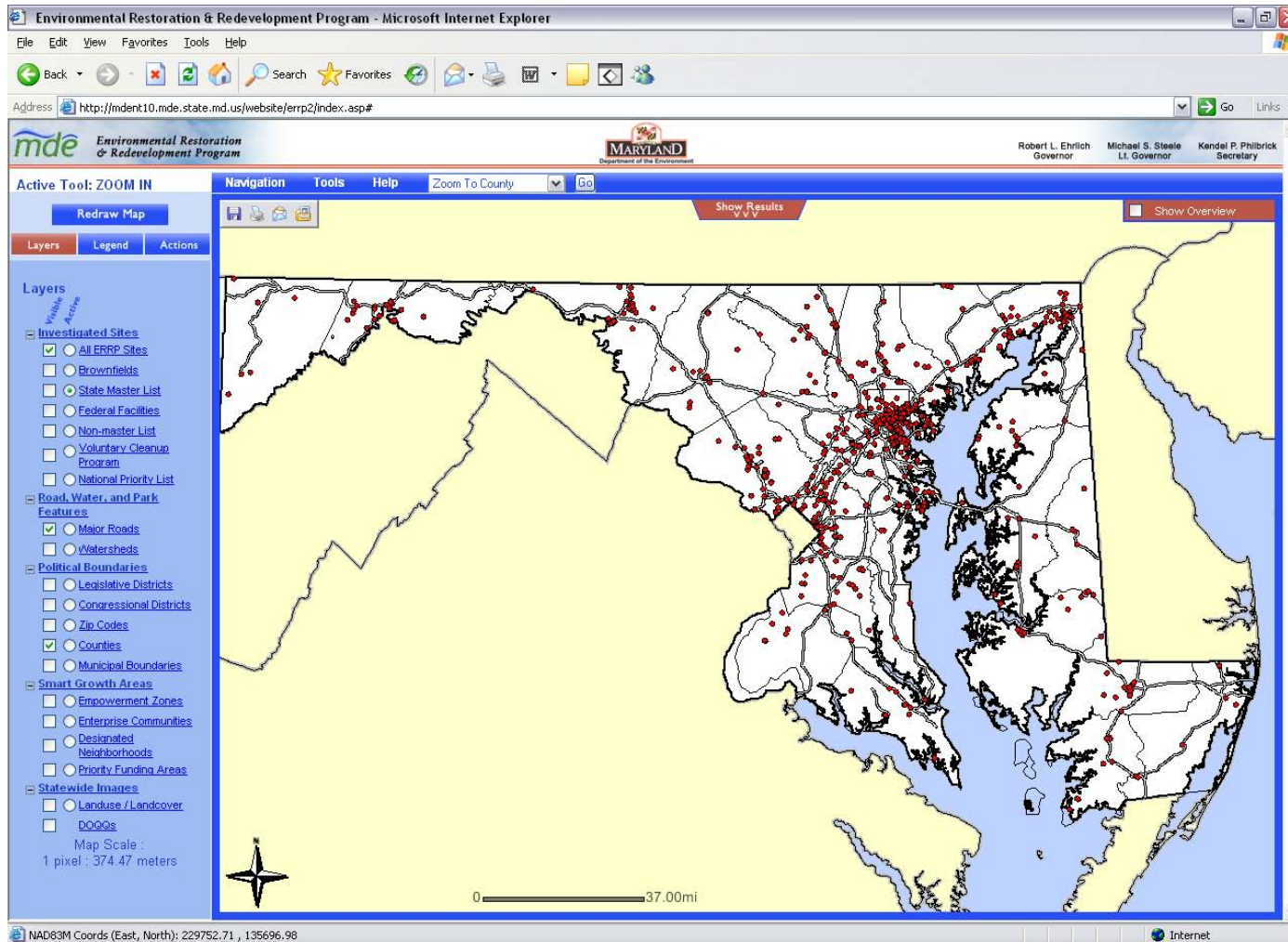
- Existing MDE website already identifies MDE sites
- Incorporate LUC data for properties on website. The data becomes publicly available.
- Create shapefiles for transfer to local land use planning agencies

Future Steps

- Near Term Objective (> 1 Year):
 - Refine Data Structure to Match EDSR Standards
- Long Term Objective (1 – 3 Years):
 - Migrate Data into Maryland's Environmental Enterprise Management System (EEMS)
 - Establish Real-Time Data Link Between EEMS, State Department of Assessment and Taxation (SDAT) Property Database, and Department of Planning's Property Finder



Demonstration of Web Site



CIP Data Collection Tool - Mozilla Firefox

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Geospatial DATAmanager

Not Logged In.

Username

Password

Login

Done

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Geospatial DATAmanager

DATA INPUT

Click the "data input" link above to input new data. The process of inputting new data involves defining a spatial location and the descriptive attributes of a feature.

DATA ADMIN

Click the "data administration" link above to upload data or review and approve data records. Modifications can be made to a data record prior to approval/rejection.

USER ADMIN

Click on the "User Administration" link above to create new user accounts or modify existing user accounts.

Done

Confirmation Page - Mozilla Firefox

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Geospatial DATAmanager

HOME DATA INPUT HOME

Layer: ERRP Convenants

Step 3: Enter Descriptive Information about the feature and Submit

ERRP ID (Whole Number)

Recorded Date / / (Date)

Terminated Date / / (Date)

MDE Program (Select One)

MDE Program Other (Text)

Property Use Restrictions (Select One)

Land Use Controls (Select One)

Land Use Controls Other (Text)

Done

Spatial Input Form Page - Mozilla Firefox

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Geospatial DATAmanager

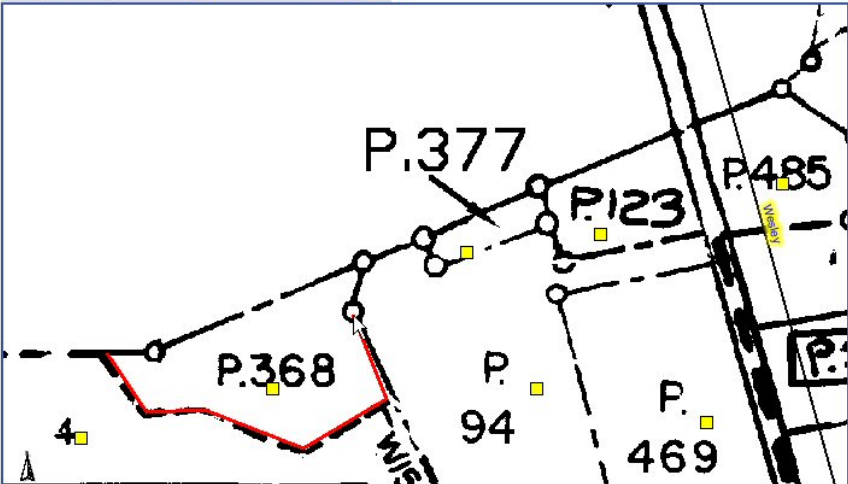
HOME DATA INPUT HOME

Layer: ERRP Conventions
Type: polygon features



Jump to County: Visible: Tax

Complete Polygon
Clear



Feature Layer Results:
No Features Found.

Properties Query Results:

ACCTID	URL
Zoom To 0704013026	http://sdatcert3.resiusa.org/rp_rewrite/results.asp?District=04&AccountNumber=

Done

Spatial Input Form Page - Mozilla Firefox

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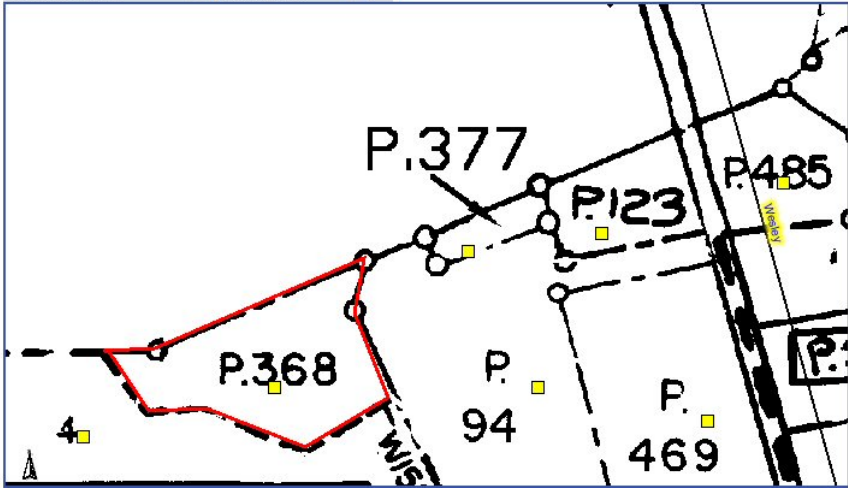
Geospatial DATAmanager

HOME DATA INPUT HOME

Layer: ERRP Convenants
Type: polygon features

Submit Polygon
Clear

Jump to County: Visible: Text



Feature Layer Results:
No Features Found.

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Geospatial DATAmanager

Welcome Jeff Roberts

UPDATE PASSWORD LOGOUT

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Data Administration Section - Mozilla Firefox

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Geospatial DATAmanager

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Data Administration Page

This section provides Data Administrators a mechanism to review and approve data records. Optionally an entry can be modified prior to approval.

Select the category of features you would like to view from the appropriate layer below.

Hidden

[Activity Log](#) [Active Data Export](#) [Upload Data](#)

<input checked="" type="radio"/>	Test Points 1	point
<input type="radio"/>	Test Polys 1	polygon
<input type="radio"/>	Test Points 2	point
<input type="radio"/>	Test Lines 1	line
<input type="radio"/>	ERRP Site Points	point
<input type="radio"/>	ERRP Convenants	polygon

Done

Data Activity Log - Mozilla Firefox

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Geospatial DATAmanager

HOME DATA ADMIN HOME

Activity Log

Entry Activity

Feature	Active	User	Entry Time
04-8004	true	Joe Bizzell	2006-02-13 15:53:52.027
04-1015	false	Joe Bizzell	2006-02-17 09:30:43.653
04-1018	false	Joe Bizzell	2006-02-17 09:30:44.403
04-1009	true	Joe Bizzell	2006-02-17 09:30:45.153
04-1011	false	Joe Bizzell	2006-02-17 09:30:46.873
04-1013	false	Joe Bizzell	2006-02-17 09:30:48.31
04-5007	false	Joe Bizzell	2006-02-17 09:30:49.047
04-1007	false	Joe Bizzell	2006-02-17 09:30:52.263
04-1024	false	Joe Bizzell	2006-02-17 09:30:52.967
04-1014	false	Joe Bizzell	2006-02-17 09:30:54.42
04-8007	false	Joe Bizzell	2006-02-17 09:30:55.157
04-1035	true	Joe Bizzell	2006-02-17 09:30:55.873
04-1061	false	Joe Bizzell	2006-02-17 09:30:56.593
04-1058	false	Joe Bizzell	2006-02-17 09:30:57.327
04-1059	false	Joe Bizzell	2006-02-17 09:30:58.047
04-1021	false	Joe Bizzell	2006-02-17 09:30:58.763
04-1045	false	Joe Bizzell	2006-02-17 09:30:59.483
04-1004	false	Joe Bizzell	2006-02-17 09:31:00.203
04-1043	false	Joe Bizzell	2006-02-17 09:31:00.937
04-1057	false	Joe Bizzell	2006-02-17 09:31:01.937
04-1066	false	Joe Bizzell	2006-02-17 09:31:02.67
04-1072	false	Joe Bizzell	2006-02-17 09:31:03.39
04-2079	false	Joe Bizzell	2006-02-17 09:31:04.11

Done

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Geospatial DATAmanager

HOME USER ADMIN HOME

User Administration

Create New User

Group: CGIS_EMMA

1	joe	Edit	Reset Password
2	jeff	Edit	Reset Password
3	sharyn	Edit	Reset Password
4	steven	Edit	Reset Password
5	Michele	Edit	Reset Password
6	tugis	Edit	Reset Password

Group: MDE_ERRP

1	joe	Edit	Reset Password
2	jeff	Edit	Reset Password
6	tugis	Edit	Reset Password

Done

Update User Form - Mozilla Firefox

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Geospatial DATAmanager

HOME USER ADMIN HOME

Update User Form

Groups:

- ☒ CGIS_EMMA
- ☒ MDE_ERRP

Roles: (User should belong to at least one role.)

- ☒ User Admin
- ☒ Data Admin
- ☒ Updater
- ☒ User

Joe First Name
Bizzell Last Name
Suffix
cbizzell@towson.edu Email Address

Submit

Done

For More Information, Call

James R. Carroll

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Environmental Restoration & Redevelopment Program

Waste Management Administration

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MDE